Graph a function with the following properties:

\[
\lim_{x \to -\infty} f(x) = 2 \\
\lim_{x \to -2^+} f(x) = \text{DNE (\infty)} \\
\lim_{x \to -2^-} f(x) = \text{DNE (-\infty)} \\
\lim_{x \to \infty} f(x) = 0 \\
f(5) \text{ is not defined} \\
f(0) = 3 \\
f'(x) \text{ is not defined for } x = -1
\]